

Title of Material: \_\_\_\_\_

Publisher: \_\_\_\_\_

Reviewer: \_\_\_\_\_

Percentage of Standards: \_\_\_\_\_

**Grade Kindergarten--possible 24 (content knowledge & skills)**

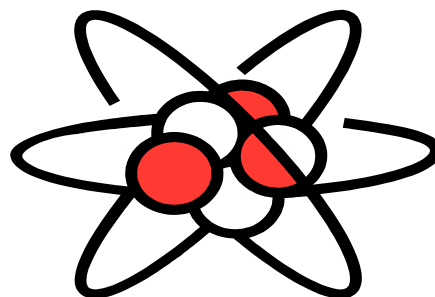
(Number of Yes checks divided by 24 = percentage)

# Idaho Achievement Standards

## Science

for

## Grade Kindergarten



**527 SCIENCE STANDARDS – GRADE KINDERGARTEN, SECTIONS 528 THROUGH 538.**

The samples associated with the content standards are meant to illustrate meaning and to represent possible areas of applications. They are not intended to be an exhaustive list, but are samples of applications that would demonstrate learning.

**528 UNIFYING CONCEPTS OF SCIENCE.**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand concepts and processes of evidence, models, and explanation.	a. Explore the concepts of observation and data collection.	Indicate Page No	
	b. Explore and use various models.	Indicate Page No	
02. Understand constancy, change, and measurement.	a. Explore changes.	Indicate Page No	
	b. Measure in non-standard units.	Indicate Page No	
03. Understand the theory that evolution is a process that relates to the gradual changes in the universe and of equilibrium as a physical state.	a. Understand the concepts of yesterday, today, and tomorrow.	Indicate Page No	

**529 CONCEPTS OF SCIENTIFIC INQUIRY.**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand scientific inquiry and develop critical thinking skills.	a. Make observations	Indicate Page No	
	b. Use various tools to gather information.	Indicate Page No	
	c. Communicate observations.	Indicate Page No	

**530 CONCEPTS OF PHYSICAL SCIENCE**

Standards - The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the structure and function of matter and molecules and their interactions.	a. Use senses to explore and describe matter.	Indicate Page No	

**531. CELLULAR AND MOLECULAR CONCEPTS.**

Cellular and Molecular concepts standards do not apply at this grade level.

**532. INTERDEPENDENCE OF ORGANIZMS AND BIOLOGICAL CHANGE.**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the theory of biological evolution.	a. Observe and explore the characteristics of plants and animals.	Indicate Page No	
	b. Sort animals into wild and domestic categories.	Indicate Page No	

**533. MATTER, ENERGY, AND ORGANIZATION IN LIVING SYSTEMS.**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the relationship between matter, energy, and organization to trace matter as it cycles and energy as it flows through living systems and between living systems and the environment.	a. Recognize the difference between living and non-living things.	Indicate Page No	

**534. EARTH AND SPACE SYSTEMS.**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand scientific theories of origin and subsequent changes in the universe and earth systems.	a. Observe and identify the four seasons.	Indicate Page No	
	b. Observe different weather conditions.	Indicate Page No	

**535. TECHNOLOGY.**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the relationship between science and technology and develop the abilities of technological design and application.	a. Distinguish between natural objects and objects made by humans.	Indicate Page No	
	b. Recognize that people have invented tools for everyday life and for scientific investigations.	Indicate Page No	
	c. Create a tool to perform a specific function.	Indicate Page No	
	d. Use available and appropriate technology.	Indicate Page No.	

**536. PERSONAL AND SOCIAL PERSPECTIVES.**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand common environmental quality issues, both natural and human induced.	a. Observe and discuss characteristics of the local environment.	Indicate Page No	
02. Understand the importance of natural resources and the need to manage and conserve them.	a. Understand the concept of recycling.	Indicate Page No	
	b. Understand the conservation of natural resources.	Indicate Page No	

**537. HISTORY OF SCIENCE**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the significance of major scientific milestones.	a. Understand major contributions of various scientist and researchers.	Indicate Page No	

**538. INTERDISCIPLINARY CONCEPTS.**

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand that interpersonal relationships are important in scientific endeavors.	a. Learn appropriate cooperation and interaction skills.	Indicate Page No	
02. Understand technical communication.	a. Understand and follow instructions.	Indicate Page No	